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CENTRAL INTELLIGENCE AGENCY

50X1-HUM

INFORMATION REPORT

COUNTRY USSR .

SUBJECT New and Improved '85 mm Antiaircraft Gun' Being Used by Soviet Armed Forces

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THIS IS UNEVALUATED INFORMATION

1. "A new improved '85 mm antiaircraft gun' has been introduced in the Soviet armed forces. Outwardly, this new gun resembles the '85 mm antiaircraft gun of the 1939 type'.

2. "The technical data of the new gun are:

Weight of system	4,000 kg
Rate of fire	20 shots per minute
Initial velocity	945 m/sec
Maximum range:	
height	13,000 m.
horizontally	17,000 m.
Angle of shooting:	
vertically	- 3° + 82°
horizontally	360°

3. "The gun uses shells of the brand 'BR-365'. These shells can be used on ground targets. The piercing force of these shells when used on tank armor is as follows:

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	100 m.	500 m.	1,000 m.	1,500 m.	2,000 m.
at an angle of 90°	119 mm.	112 mm.	105 mm.	95 mm.	85 mm.
at an angle of 60°	98 mm.	94 mm.	85 mm.	78 mm.	70 mm.

4. "The gun also uses the subcaliber shell 'BR-365 p'. At an angle of 90°, this shell pierces tank armor: at 100 m. - 160 mm., at 500 m. - 120 mm., at 1,000 m. - 84 mm.

5. "Four gun batteries of the '85 mm. antiaircraft gun' shoot by means of the instrument 'PUAZO-3'. The latest models of [redacted]-3' consist of two separate parts which for work are connected by a synchronized electrical connection.

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6. "The first part is the 'central-counting-determining (tsentralno-schetno-reshaiushchi) apparatus PUAZO'. The second part is a 'radio-locating-distance and height range finding (radiolokatorno-dalnomerno-vysokomerny) /Radar/ apparatus'. From the central part, all data go automatically to each gun by means of the synchronized electrical connection.

7. "By means of PUAZO-3 one can fire at distances (heights) of up to 13,000 m.

8. "The apparatus functions from 0° to 90° vertically and 360° horizontally."

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